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UNITED STATES DEPARTMENT OF AGRICULTURE

SERVICE AND REGULATORY ANNOUNCEMENTS

BUREAU OF ANIMAL INDUSTRY

OCTOBER 1940

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CHANGES IN DIRECTORY

Meat Inspection Withdrawn

3-T. Swift & Co., 14-16 South Fifth Street, Fort Smith, Ark.
 3-WF. Swift & Co., World's Fair Grounds, New York, N. Y.
 133. The Jacob Dold Packing Co., North Lawrence Avenue and Twenty-first Street, Wichita, Kans.
 310. Anthony Batek, 2029 Grenshaw Street, Chicago, Ill.

Meat Inspection Extended

3-N. Swift & Co., Evansville, Ind., to include G. H. Hammond Co.
 464. Merkel, Inc., Jamaica, N. Y., to include Ampol, Inc.
 726. Swift & Co., Nashville, Tenn., to include G. H. Hammond Co.

Change of Official in Charge

R. A. Wight succeeds J. B. Harris (deceased) as inspector in charge at Texarkana, Tex.

Dr. Nathan H. Howlett succeeds Dr. J. J. Staab (deceased) as inspector in charge at Montpelier, Vt.

Dr. Edward E. Maas succeeds Dr. S. H. Still as inspector in charge at San Juan, P. R., effective January 1, 1941. Dr. Maas is acting inspector in charge from November 28 to the termination of December 31, 1940.

Dr. S. H. Still succeeds Dr. R. A. Given (deceased) as inspector in charge at Reno, Nev., effective January 1, 1941. Dr. W. K. Shidler, acting inspector in charge since the death of Dr. Given, will continue to be acting inspector in charge at Reno, Nev., until the termination of December 31, 1940.

Station Discontinued

Fort Smith, Ark., meat inspection.

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION,
SEPTEMBER 1940¹

Station	Cattle	Calves	Sheep and lambs	Goats	Swine
Chicago ²	104,869	25,235	179,359	.....	315,802
Denver.....	9,670	1,843	32,410	.....	21,606
Kansas City.....	53,333	22,269	94,150	.....	180,873
New York ³	38,405	66,348	247,038	.....	178,308
Omaha.....	58,326	4,425	98,835	.....	102,234
St. Louis ⁴	55,262	40,447	64,268	.....	250,715
Sioux City.....	25,883	1,022	48,755	.....	53,757
South St. Paul ⁵	55,082	27,713	76,378	.....	163,773
All other stations.....	410,237	227,647	627,484	840	1,901,381
Total:					
September 1940.....	311,567	416,949	1,468,677	840	3,168,454
September 1939.....	880,343	427,469	1,634,967	184	2,885,318
9 months ended—					
September 1940.....	7,046,671	3,957,771	12,734,334	2,269	34,432,842
September 1939.....	6,942,514	3,951,401	12,798,916	1,143	28,149,455

¹ Horses slaughtered:

September 1940.....	1,339
September 1939.....	2,086
9 months ended—	
September 1940.....	15,173
September 1939.....	15,777

² Includes Elburn, Ill.³ Includes Jersey City and Newark, N. J.⁴ Includes National Stock Yards and East St. Louis, Ill.⁵ Includes Newport and St. Paul, Minn.MEAT AND MEAT FOOD PRODUCTS PREPARED AND PROCESSED
UNDER FEDERAL MEAT INSPECTION, SEPTEMBER 1940

Product	Quantity	Product	Quantity
Meat placed in cure:			
Beef.....	10,267,727	Canned meat and meat food products—Continued.	
Pork.....	219,077,333	Sausage.....	Pounds
Smoked and/or dried:		Soup.....	2,691,970
Beef.....	3,822,592	All other.....	1,450,360
Pork.....	155,501,816	Bacon, sliced.....	10,374,729
Sausage:		Lard.....	23,227,275
Fresh, finished.....	11,391,732	Rendered.....	84,310,313
Smoked and/or cooked.....	51,811,707	Refined.....	90,235,324
To be dried or semidried.....	9,335,363	Oleo stock.....	8,670,814
Loaf, headcheese, chili con carne, jellied products, etc.....	10,303,783	Edible tallow.....	4,990,882
Cooked meat:		Compound containing animal fat.....	19,132,351
Beef.....	567,646	Oleomargarine containing animal fat.....	3,583,622
Pork.....	19,329,692	Miscellaneous.....	1,220,095
Canned meat and meat food products:		Total.....	1765,959,767
Beef.....	6,702,711		
Pork.....	12,989,900		

¹ This figure represents "inspection pounds" as some of the products may have been inspected and recorded more than once due to having been subjected to more than one distinct processing treatment, such as curing first and then canning.

MEAT AND MEAT FOOD PRODUCTS CERTIFIED FOR EXPORT, SEPTEMBER 1940, WITH COMPARABLE FIGURES FOR SEPTEMBER 1939

Product	Quantity during—		Product	Quantity during—	
	Septem- ber 1940	Septem- ber 1939		Septem- ber 1940	Septem- ber 1939
Beef and veal:			Pork—Continued		
Fresh	87,962	130,599	Edible organs:		
Cured	605,673	1,143,965	Fresh	15,593	649,572
Smoked	155	2,039	Cured	7,521	15,840
Canned	197,735	380,521	Miscellaneous		7,892
Edible organs:			Sausage	213,404	329,585
Fresh	38,686	297,586	Lard	8,092,911	22,189,606
Cured	350	15,102	Compound containing ani- mal fat	36,835	70,681
Miscellaneous		126,576	Oleo stock	100	388,687
Lamb and mutton:			Oleo oil	48,179	520,159
Fresh	30,140	7,630	Oleostearin	2,425	965
Canned	7,531	40,235	Oleomargarine	6,100	2,000
Edible organs, fresh	224	125,720	Edible tallow	7,400	2
Pork:			Total	12,654,615	34,239,401
Fresh	933,776	1,809,658	Horse meat		129,118
Cured	1,941,811	5,417,612			
Smoked	250,475	293,806			
Canned	129,629	273,363			

FOOD ANIMALS AND MEAT AND MEAT FOOD PRODUCTS INSPECTED WHEN OFFERED FOR IMPORTATION, SEPTEMBER 1940

Food animals passed for entry

Country of origin	Cattle	Swine	Sheep	Goats
Mexico	24,462			
Canada	19,255	6	591	
Virgin Islands (to Puerto Rico)	38	6		
Total:				20
September 1940	43,755	12	591	20
September 1939	32,084	21	530	8
9 months ended—				
September 1940	494,821	237	1,925	100
September 1939	621,629	189	6,912	67

Refused entry: 493 cattle. (This figure is not included in the table above.)

Meat and meat food products passed for entry

Country of origin	Chilled and frozen fresh meat			Cured meat	Canned meat	Sausage (not canned)	Other products	Total					
	Beef and veal	Mutton and lamb	Pork										
Argentina	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds					
Australia	165,687			555,466			5,600	561,066					
Brazil							4,007	169,694					
Canada	43,408	174,654	30,233	5,170	1,772,916	11,276	24,976	1,803,062					
Cuba	910,847					56	210,182	471,330					
Great Britain							15,545	910,906					
Japan						1,707		15,545					
New Zealand	80,118	2,706					36,367	1,707					
Paraguay						282,449		119,191					
Switzerland							12,133	282,449					
Uruguay						742,168		12,133					
Total	1,200,060	2,706	174,654	141,000	3,356,339	11,276	308,813	847,765					
								5,194,848					

Condemned: Canned beef, 144 pounds; total, 144 pounds.

Refused entry: Canned beef, 232,998 pounds; total, 232,998 pounds.

SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, SEPTEMBER 1940

State or Territory	Tuberculin tests during month		Total to date ¹			Inspector in charge	State official
	Cattle tested	Cattle re-tested	Once tested-free herds	Accredited herds	Herds under supervision		
Alabama	2,875	13	270,875	559	271,434	R. E. Jackson	R. S. Sugg, Auburn.
Arizona	875	2	12,236	81	12,593	F. L. Schneider	T. B. Jones, Phoenix.
Arkansas	1,800	0	231,608	1	231,609	A. W. Rice	C. D. Stubbs, Little Rock.
California	118,787	551	74,426	21	74,669	W. E. Howe	C. U. Duckworth, Sacramento.
Colorado	2,230	3	60,611	28	60,846	A. H. Francis	R. M. Gow, Denver.
Connecticut	6,063	43	384	17,189	18,641	R. L. Smith	R. L. Harding, Hartford.
Delaware	3,572	2	6,197	1,984	8,210	O. L. Lockwood	Harry McDaniel, Jr., Dover.
Dist. of Col.	0	0	15	2	17	A. E. Wight	
Florida	3,351	2	40,416	66	67,656	T. H. Applewhite	J. V. Knapp, Tallahassee.
Georgia	700	0	212,263	37	242,362	W. C. Dendinger	J. M. Sutton, Atlanta.
Idaho	835	1	51,151	37	51,270	A. K. Kuttler	E. T. Powell, Boise.
Illinois	70,289	101	232,866	649	243,092	J. J. Lintner	J. P. Stout, Springfield.
Indiana	16,029	49	146,141	1,305	147,750	W. A. Sullivan	J. L. Axby, Indianapolis.
Iowa	24,982	103	169,000	648	196,000	J. A. Barger	H. A. Seidell, Des Moines.
Kansas	6,993	25	170,338	279	171,032	Ralph Graham	W. J. Miller, Topeka.
Kentucky	2,007	7	163,647	24	163,867	E. E. Coshow	D. E. Westmorland, Frankfort.
Louisiana	3,054	2	148,786	-----	148,804	W. A. McDonald	E. P. Flower, Baton Rouge.
Maine	6,786	0	43,141	236	43,817	A. L. Hirleman	H. M. Tucker, Augusta.
Maryland	16,818	53	28,544	14,055	42,812	O. L. Lockwood	Mark Welsh, Baltimore.
Massachusetts	7,533	1	1,029	21,430	22,902	E. M. Aldrich	Mark Galusha, Boston.
Michigan	30,305	50	206,968	60	207,087	C. H. Hays	C. H. Clark, Lansing.
Minnesota	33,827	42	195,597	502	196,893	W. J. Fretz	C. E. Cotton, St. Paul.
Mississippi	5,138	0	260,164	4	260,181	H. Robbins	E. S. Brashier, Jackson.
Missouri	1,578	0	237,707	76	239,588	W. F. Biles	H. E. Curry, Jefferson City.
Montana	1,697	0	72,999	25	73,033	G. W. Cronen	W. J. Butler, Helena.
Nebraska	10,995	14	134,887	36	135,227	J. W. Murdoch	F. A. Jelen, Lincoln.
Nevada	1,191	1	3,417	2	3,441	W. K. Shidler	Edward Records, Reno.
New Hampshire	162	0	343	17,482	18,223	E. M. Aldrich	R. W. Smith, Concord.
New Jersey	18,152	82	1,766	15,436	17,327	J. R. Porteus	R. A. Hendershott, Trenton.
New Mexico	371	0	22,104	17	25,450	F. L. Schneider	Sam McCue, Albuquerque.
New York	125,644	306	5,656	139,024	145,524	H. B. Leonard	E. T. Faulder, Albany.
North Carolina	2,216	0	256,170	463	256,633	A. A. Husman	William Moore, Raleigh.
North Dakota	44,710	24	67,111	70	69,707	F. C. Driver	T. O. Brandenburg, Bismarck.
Ohio	10,890	5	247,468	413	248,013	A. J. DeFosset	F. L. Carr, Columbus.
Oklahoma	11,847	1	276,267	25	276,384	L. J. Allen	D. H. Ricks, Oklahoma City.
Oregon	11,944	32	182,053	1,971	184,524	S. B. Foster	W. H. Lytle, Salem.
Pennsylvania	29,150	85	150,076	8,175	167,251	C. P. Bishop, Harrisburg.	G. W. Breed, Providence.
Rhode Island	1,481	8	2,299	1,299	4,057	E. M. Aldrich	W. K. Lewis, Columbia.
South Carolina	784	0	56,511	74	56,587	W. K. Lewis	R. S. Robinson, Pierre.
South Dakota	36,296	68	73,288	4	73,365	Neil Plank	A. C. Topmiller, Nashville.
Tennessee	1,183	1	294,812	21	294,860	H. L. Fry	T. O. Booth, Fort Worth.
Texas	12,563	2	252,815	76	292,281	H. L. Darby	W. H. Hendricks, Salt Lake City.
Utah	3,536	23	87,037	128	87,439	H. H. Cohenour	
Vermont	3,133	71	5,862	18,871	24,814	J. J. Staab	E. H. Jones, Montpelier.
Virginia	5,981	27	198,411	609	199,292	H. S. Miller	H. C. Givens, Richmond.
Washington	12,641	37	73,483	48	76,475	J. C. Exline	M. R. Hales, Olympia.
West Virginia	1,671	9	114,092	582	114,696	H. M. Newton	J. B. McLaughlin, Charleston.
Wisconsin	85,537	81	179,163	7,416	186,751	J. S. Healy	V. S. Larson, Madison.
Wyoming	4,699	33	19,472	3	19,493	F. H. Melvin	H. D. Port, Cheyenne.
Hawaii				1,710	1,710	A. H. Julien	E. H. Willers, Honolulu.
Puerto Rico	9,357	28	19,000	250	20,000	S. H. Still	Isidor A. Colon, San Juan.
Virgin Islands			424		424	S. H. Still	G. C. Kendall, Christiansted.
Total	814,348	2,010	5,801,866	271,700	6,195,641		

¹ All States are 100 percent modified accredited except California, which has 56 counties (96.6 percent) in the modified accredited area. Puerto Rico and the Virgin Islands are also in the modified accredited area.

**SUMMARY OF BANG'S DISEASE WORK IN COOPERATION WITH
STATES, SEPTEMBER 1940¹**

State or Territory	Agglutination blood tests completed during month		Results of agglutination blood tests during month					Herd under supervision	Cattle on waiting list		
	Herd	Cattle	Herd containing infection	Total cattle in herds	Reactors	Negative					
						Herd	Cattle				
Alabama	4,834	30,251	264	13,033	640	4,570	17,218	68,941	33,979		
Arizona	243	2,825	20	303	45	223	2,522	3,570	5,000		
Arkansas	1,591	21,325	158	7,490	359	1,433	13,835	179,708	-----		
California								10			
Colorado	195	2,887	31	806	95	164	2,081	1,948	5,667		
Connecticut	76	2,090	10	275	14	66	1,815	373	-----		
Delaware	321	3,771	53	983	120	268	2,788	5,244	1,901		
Florida	1,373	37,774	156	16,729	349	1,217	21,045	18,741	-----		
Georgia	4,688	21,161	316	7,067	487	4,372	14,094	96,642	125,156		
Idaho	1,236	11,066	97	2,330	300	1,139	8,736	35,376	-----		
Illinois	373	7,180	80	2,010	232	293	5,170	12,804	-----		
Indiana	201	2,903	18	295	47	183	2,608	4,844	1,545		
Iowa	1,119	19,133	286	6,317	804	833	12,816	24,053	39,072		
Kansas	77	1,629	11	400	15	66	1,229	2,589	305		
Kentucky	182	4,299	57	1,806	103	125	2,493	39,585	-----		
Louisiana	2,220	22,307	195	9,971	499	2,025	12,336	62,773	32,009		
Maine	145	1,926	41	747	99	104	1,179	2,986	649		
Maryland	1,214	14,577	231	4,744	517	983	9,833	19,683	11,585		
Massachusetts	1	111				1	111	145			
Michigan	1,749	16,827	289	3,740	683	1,460	13,087	18,248	9,636		
Minnesota	4,449	70,696	658	15,665	1,708	3,791	55,031	64,630	57,000		
Mississippi	1,204	6,402	63	1,057	108	1,141	5,345	7,156	-----		
Missouri	1,220	14,589	165	2,829	360	1,055	11,760	76,625	-----		
Montana	176	1,734	18	249	61	158	1,485	5,356	8		
Nebraska	222	3,550	54	1,235	196	168	2,315	5,391	1,607		
Nevada	17	358	1	1	1	16	357	1,437	100		
New Hampshire	789	7,073 ^b	98	1,970	245	691	5,103	4,481	1,013		
New Jersey	146	4,483	23	1,960	47	123	2,523	364	-----		
New Mexico	231	3,225	40	1,317	146	191	1,908	9,420	5,000		
New York	357	9,457	137	4,369	287	220	5,088	4,042	21,572		
North Carolina	6,820	20,299	70	1,696	148	6,750	18,603	154,051	75,000		
North Dakota	462	7,449	45	1,468	112	417	5,981	34,359	216,464		
Ohio	2,480	21,114	327	4,885	844	2,153	16,229	47,199	4,625		
Oklahoma	978	14,744	108	2,683	167	870	12,061	43,167	40,000		
Oregon	2,468	20,564	91	3,080	304	2,377	17,484	84,215	-----		
Pennsylvania	6,668	80,358	612	11,980	1,587	6,056	68,378	60,590	214,936		
Rhode Island	20	587	9	355	17	11	232	64	-----		
South Carolina	1,006	3,582	17	215	24	989	3,367	26,411	5,000		
South Dakota	56	1,744	15	399	72	41	1,345	1,535	350		
Tennessee	1,287	12,263	87	3,505	205	1,200	8,758	41,500	12,000		
Texas	451	9,625	30	2,013	50	421	7,612	1,916	-----		
Utah	984	5,266	81	1,087	143	903	4,179	25,528	-----		
Vermont	195	3,333	48	1,234	124	147	2,099	466	59		
Virginia	2,097	16,037	124	4,397	294	1,973	11,640	181,088	129,506		
Washington	1,593	13,585	105	2,496	209	1,488	11,089	75,252	-----		
West Virginia	1,698	9,514	34	443	69	1,664	9,071	50,138	-----		
Wisconsin	2,808	49,907	495	12,993	1,391	2,313	36,914	73,220	11,680		
Wyoming	33	1,375	11	813	22	22	562	2,600	-----		
Puerto Rico								3			
Total	62,753	636,955	5,879	165,440	14,349	56,874	471,515	1,680,467	1,062,424		

¹ Officials in charge of Bang's disease work are the same as those listed in summary of tuberculosis-eradication work.

BIOLOGICAL PRODUCTS PREPARED UNDER LICENSES, SEPTEMBER 1940

Anti-hog-cholera serum

Period	Preserved	Completed	Released	Destroyed
September 1940-----	<i>Cc.</i> 77,534,534	<i>Cc.</i> 82,423,063	<i>Cc.</i> 79,616,255	<i>Cc.</i> 229,981
September 1939-----	115,115,327	115,377,469	117,302,085	564,924
9 months ended-----				
September 1940-----	912,683,113	910,823,336	834,971,250	3,478,248
September 1939-----	973,763,530	948,582,982	923,655,725	4,315,824

Hog-cholera virus

Period	Produced			Destroyed	
	Simulta- neous	Hyperim- munizing	Inoculat- ing	Simulta- neous	Hyperim- munizing
September 1940-----	<i>Cc.</i> 4,785,211	<i>Cc.</i> 15,054,392	<i>Cc.</i> 45,806	<i>Cc.</i> 266,244	<i>Cc.</i> 427,175
September 1939-----	4,436,619	20,462,329	58,933	197,090	520,723
9 months ended-----					
September 1940-----	59,586,057	173,261,654	604,816	2,762,280	5,681,876
September 1939-----	66,955,549	200,691,059	703,065	2,421,015	6,832,189

INSPECTIONS AND TESTS IN THE PREPARATION OF BIOLOGICAL PRODUCTS UNDER LICENSES, SEPTEMBER 1940

Period	Animal inspec- tions	Animal rejec- tions	Pigs inocu- lated	Hogs hypered	Tests supervised	
					Serum	Virus
September 1940-----	222,447	1,764	17,605	11,900	312	153
September 1939-----	304,332	2,573	23,907	17,552	443	140
9 months ended-----						
September 1940-----	2,573,974	25,440	216,449	137,826	3,572	1,823
September 1939-----	2,841,394	31,475	243,656	158,530	3,815	2,148

LICENSES ISSUED FOR BIOLOGICAL PRODUCTS, SEPTEMBER 1940

License No. 112 was issued September 21, 1940, to Fort Dodge Serum Co., 300 First Avenue South, Fort Dodge, Iowa, for botulinus antitoxin (types A and B).

License No. 189 was issued September 17, 1940, to Norden Laboratories, 227 North Ninth Street, Lincoln, Nebr., for coli-staph-strep bacterin and salmonella cholerasuis bacterin.

License No. 209 was issued September 19, 1940, to Wene Poultry Laboratories, Pleasantville, N. J., for fowl-laryngotracheitis vaccine and fowl-pox vaccine.

RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the Bureau, as follows:

Twenty-eight-Hour Law

New York Central Railroad Co. (3 cases), \$300 penalties.

St. Louis Southwestern Railway Co., \$100 penalty.

Western Pacific Railroad Co., \$100 penalty.

Virus-Serum-Toxin Law

For shipping, interstate, anthrax vaccine that was contaminated, dangerous, and harmful within the meaning of law:

Sharp & Dohme, Inc., Philadelphia, Pa. (2 counts), \$200 fine.

Sharp & Dohme, Inc., Minneapolis, Minn. (4 counts), suspended sentence, defendant placed on probation for 3 years.

EVIDENCE COVERING ALLEGED VIOLATIONS OF THE MEAT INSPECTION ACT

When evidence covering alleged violations of the Meat Inspection Act is submitted by inspectors in charge, the original and five copies of affidavits of witnesses, who can testify to the alleged violations, should be furnished. Letters of transmittal, M. I. Form 152, and shipping or other papers should be submitted in triplicate. If evidence, such as labels, cartons, etc., only one of which is available, is submitted, two typewritten copies of the information on such labels or cartons in addition to the originals should be submitted.

LONG DISTANCE TELEPHONE CALLS

The use of Form AD-102 in connection with vouchers submitted from field stations covering payments for official long distance telephone calls should be discontinued, effective immediately. In lieu thereof, travelers claiming such charges in their reimbursement accounts will list the cost therein in the manner prescribed in paragraph 69 of the Standardized Government Travel Regulations. At the end of the account there should appear a certification as follows: "The long distance telephone calls covered by this voucher were necessary on account of official business, were not personal, and were in the interest of the Government." Such certification will be in addition to the general certification on the face of the voucher.

In handling public vouchers (Standard Form 1034) covering telephone service rendered to field stations, it will be necessary for officials in charge of stations to make the same certification in addition to the usual printed certification.

This notification modifies the notice which appeared on page 57 of Service and Regulatory Announcements for May 1936, as amended by notices on page 71 of the June 1939 issue and page 81 of the July 1939 issue.

NEW PUBLICATIONS OF THE BUREAU

[The Bureau keeps no mailing list for sending publications to individual employees, but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible, additional copies will be furnished on request.]

Farmers' Bulletin 798 (slightly revised). The Sheep Tick and Its Eradication by Dipping. By Marion Imes, Zoological Division. Pp. 22, figs. 13.

Farmers' Bulletin 1490 (slightly revised). Hog-Lot Equipment. By E. Z. Russell and S. S. Buckley, Animal Husbandry Division. Pp. 22, figs. 26.

Leaflet 88 (slightly revised). Poisoning of Livestock by Plants That Produce Hydrocyanic Acid. By James F. Couch, Pathological Division. Pp. 4.

Amendment 48 to Declaration 12 under B. A. I. Order 309. Order Declaring Names of Counties Placed in Modified Tuberculosis-Free Accredited Areas. Effective October 1, 1940. Pp. 3, mimeographed.

List of the Names of Counties in Modified Accredited Areas for Tuberculosis, as of July 1, 1940. Pp. 31, mimeographed.

A. H. D. No. 25 (revised). State Participation in The National Poultry Improvement Plan, October 1, 1940. By Animal Husbandry Division. Pp. 5, mimeographed.

A. H. D. No. 35 (revised). U. S. Record of Performance Breeders. By Animal Husbandry Division. Pp. 20, mimeographed.

AMENDMENTS TO DEPARTMENT REGULATIONS

The following amendments to the regulations of the Department have been issued:

Amendment 102, covering regulation 2821.

Amendment 103, covering regulations 2554 and 2555.

Amendment 104, covering regulation 3214.

ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

Chief: JOHN R. MOHLER.

Assistant Chief: A. W. MILLER.

Assistant Chief: HARRY W. SCHOENING.

Assistant Chief: PAUL E. HOWE.

Business Manager: J. R. COHRAN.

Assistant Business Manager: N. A. OLSTEAD.

Assistant to Chief: D. S. BURCH.

Animal Husbandry Division: HUGH C. MCPHEE, Chief.

Animal Nutrition Division: PAUL E. HOWE, Chief.

Division of Tick Eradication and Special Diseases: W. M. MACKELLAR, Chief.

Division of Virus-Serum Control: D. I. SKIDMORE, Chief.

Field Inspection Division: S. O. FLADNESS, Chief.

Interstate Inspection Division: A. W. MILLER, Chief.

Meat Inspection Division: EDWARD C. JOSS, Chief.

Pathological Division: HARRY W. SCHOENING, Chief.

Tuberculosis Eradication Division: A. E. WIGHT, Chief.

Zoological Division: BENJAMIN SCHWARTZ, Chief.

Animal Disease Station: ADOLPH EICHHORN, Director.



